What is claimed is:

1. A joining method for a frame of spectacles, comprising:

deforming a joining portion of a member made of a shape memory alloy material so as to be insertable into a pipe for joining the member to a lens rim; and

joining the joining portion of the member to the pipe by returning the joining portion of the member to an original shape before the deformation after the member is inserted into the pipe.

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2. The joining method of claim 1, further comprising:

cooling the member at a temperature below a transformation temperature of the member before the deforming step.

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3. The joining method of claim 2, wherein a diameter of the joining portion of the member is greater than a diameter of the pipe before the deforming step, and a diameter of the joining portion of the member is not greater than a diameter of the pipe after the deforming step.

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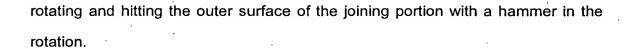
- 4. The joining method of claim 2, wherein the joining portion of the member is deformed so as to be insertable into the pipe by a groove rolling process using a roller having a plurality of grooves on the surface.
- 5. The joining method of claim 2, wherein the joining portion of the member is deformed so as to be insertable into the pipe by a swaging process

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- 6. The joining method of claim 2, wherein the member is a NiTi alloy.
- 7. The joining method of claim 2, further comprising: joining the pipe to the lens rim before the deforming step.
- 8. The joining method of claim 2, further comprising: joining the pipe to the lens rim after the joining step.
- 9. The joining method of claim 1, wherein the member is a shape memory alloy having a superelasticity effect, and the deforming step is performed at a temperature not less than a transformation temperature of the member.
- 10. The joining method of claim 9, wherein a diameter of the joining portion of the member is greater than a diameter of the pipe before the deforming step, and a diameter of the joining portion of the member is not greater than a diameter of the pipe after the deforming step.
- 11. The joining method of claim 9, wherein the joining portion of the member is deformed so as to be insertable into the pipe by a groove rolling process using a roller having a plurality of grooves on the surface.
 - 12. The joining method of claim 9, wherein the joining portion of the

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member is deformed so as to be insertable into the pipe by a swaging process rotating and hitting the outer surface of the joining portion with a hammer in the rotation.

- 13. The joining method of claim 9, wherein the member is a NiTi alloy.
- 14. The joining method of claim 9, further comprising: joining the pipe to the lens rim before the deforming step.
- 15. The joining method of claim 9, further comprising: joining the pipe to the lens rim after the joining step.
- 16. The joining method of claim 1, wherein the member is a bridge or a temple.

17. A joining method for a frame of spectacles, comprising:

inserting a joining portion of a member made of a shape memory alloy material and having an outer diameter same with an inner diameter of a pipe into the pipe for joining it to a lens rim;

deforming the joining portion of the member and the pipe in order to reduce the size of the joining portion and the outer diameter of the pipe; and

joining the joining portion of the member to the pipe by returning the joining portion of the member to an original shape before the deformation.

18. The joining method of claim 17, further comprising:

cooling the member at a temperature not greater than a transformation temperature of the member before the deforming step.

- 19. The joining method of claim 17, wherein the member is a shape memory alloy having a superelasticity effect, and the deforming step is performed at a temperature not less than a transformation temperature of the member.
 - 20. A frame of spectacles, comprising:
 a temple or a bridge made of a shape memory alloy material; and
 a joining pipe joined to a lens rim;

wherein a joining portion of the temple or the bridge is deformed so as to be insertable into the pipe, and the joining portion of the member is joined to the pipe by returning to an original shape before the deformation after being inserted into the pipe.

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